

ABSTRACT

~~The present invention is directed to an~~ An audio signal reproducing system ~~comprising~~ is provided, including a speaker system ~~including~~ having at least two drive units or more which are divided or separated by frequency band. In this system [[(1)]], a signal processing unit [[(3)]] serves to add inverse characteristic to an inputted digital audio signal as correction characteristic of impulse response of speaker system [[(7)]]]. Thereafter, a D/A converter converts the digital audio signal thus obtained back into an analog signal. A power amplifier [[(5)]] amplifiers the analog signal thus obtained to deliver the analog signal thus amplified to the speaker system [[(7)]]]. The speaker system [[(7)]] outputs a signal at low frequency band that a LPF [[(8)]] has passed as sound wave of low pitched sound from drive surface [[(9a)]] of a low frequency drive unit [[(9)]], and outputs a signal at high frequency band that a HPF [[(10)]] has passed as sound wave of high pitched sound from drive surface [[(11a)]] of a high frequency drive unit [[(11)]]].